New Mexico Conservation Districts
Invasive Species Management
Restore New Mexico
Partnerships are the Key to Success

• Started in 2005 Funding Earmark EQIP

• 1.5 Million EQIP to be spent on Federal Land

• BLM Matches EQIP Dollars

• NMACD Coordinates and Facilitates

• SWCDs “DELIVER ON THE GROUND”
MULTIPLE REASONS
• To prevent the listing of candidate wildlife species
• To improve water quality
• To improve water quantity
• To improve the health of rangeland and reduce erosion
• To improve wildlife habitat
• To reduce the impacts of catastrophic wildfires

MULTIPLE BENEFITS
• Healthy lands with healthy wildlife populations
• Decrease native invaders to historical proportion
• Better rangeland
• Decrease sediment loads into streams
• Continuance of multiple uses on public lands
• Increase available water for native vegetation
LARGE LANDSCAPE SCALE WATERSHED PROJECTS
REMOVING INVASIVE SPECIES
TO IMPROVE HABITAT FOR HEALTHY ECOSYSTEMS

2006 NMACD gets a
10 MILLION DOLLAR GRANT
5 YEAR AGREEMENT FROM BLM TO
LEVERAGE ALL PARTNERS & RESOURCES
Before and After Treatment
Results

Composition %
Shrubs 78 → 1
Grasses 5 → 99

Species Diversity

Pre- Post-
Burrograss Burrograss
Blue Grama Blue Grama
Black Grama black Grama
Sideoats Grama Three-Awn
Three-Awn Fluffgrass
6-weeks grama 6-weeks grama
Bush Muhly Bush Muhly
Ear Muhly Ear Muhly
Nine-Awn Nine-Awn
Sand Dropseed Sand Dropseed
Crop Duster Spraying Mesquite
Electrostatic
Traditional
Chemical Dispersal Technique
Results

Composition %
Shrubs 84 → 7
Grasses 14 → 85

Species Diversity

Pre-          Post-
Bush Muhly    Bush Muhly
Three-Awn    Three-Awn
Sand Dropseed Spike Dropseed
Spike Dropseed Mesa Dropseed
Mesa Dropseed Plains Bristlegrass
Plains Bristlegrass Hairy Grama
Hairy Grama   Black Grama
Black Grama   Blue Grama
## Restore NM Leveraging Partnerships for Brush Treatments in South East New Mexico

<table>
<thead>
<tr>
<th>Year</th>
<th>Approx. Area (ac)</th>
<th>Funding Source</th>
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<td>2019</td>
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Total approx. 1,500,000 ac

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Invasive species
Bare Ground

1994

51.7%

2009

12.7%
Vegetation

5.3%

1994

22.0%

2009
Production

173.0 lb/acre
1994

391.4 lb/acre
2009
NMACD receives 20 MILLION DOLLARS  
2011 & 2015

Two  
20 Million Dollars grants from  
BLM for 5 years each!  
LARGE LANDSCAPE SCALE PROJECTS  
Leveraging EQIP and Private Dollars.
Helicopter Spraying
Piling along banks
New Mexico’s Large Landscape Restoration benefits everyone!

- Removal of invasive riparian species
- Brush invaded grasslands
- Abandoned O&G well reclamation

NM REGIONAL CONSERVATION PARTNERSHIP PROGRAM (RCPP)
Through USDA-NRCS Farm Bill Programs

- 2018 Pecos River Watershed 1.2 million dollars
- 2017 New Mexico Range and Forest Soil Health Initiative-NMACD 7 million dollars.

2015 Restoration 4 million dollars
Anadarko Petroleum Corporation, Chevron, ExxonMobil subsidiary XTO Energy Inc., Noble Energy, Occidental Petroleum and Shell Oil have together committed more than $3.5 million over three years in initial funding for on-the-ground conservation projects. Working with other funding partners, including the USDA Natural Resources Conservation Service in Texas and New Mexico, NFWF will match the companies’ funding, boosting the total conservation impact to at least $7 million.
NMACD awarded NFWF Grant of $247,000

Leveraged & Partnered to become $2,047,300
❖ NM Game & Fish Department matching funds-465,000
❖ Cimarex Energy matching funds- $50,000
❖ **NMACD & Partners sprayed 57,000 acres**
❖ Pecos Watershed @ $35.90 per acre
Improve Habitat for Multi-Species
Restore NM acres treated since Inception:

3,335,572 acres of public, private & state lands

Over $69,705,855 Million spent on Restore NM in 13 years
Invasive Plant Control
2005–Present

Restore NM acres treated since Inception:
3,335,572 acres of public, private & state lands
- BLM 2,653,832 acres
- State 328,105 acres
- Private 313,560 acres
- USFS 56,075 acres

Treatments included Chemical, Mechanical and Prescribed Fire
SOIL AND WATER CONSERVATION DISTRICT
LOCAL GOVERNMENT ON THE LAND